ABSTRACT

PURPOSE: To correct inclined distortion before storing a picture in a
picture memory, by reading optically the picture, storing it temporarily in
a buffer memory, and correcting the contents of the buffer memory basing on
the corrected value corresponding to a read position error.

CONSTITUTION: When correcting and reading out the picture data of an
inclined distortion from a buffer memory, it can be executed by designating
a read-out use address quantity so as to be inclined by an error portion.
For instance, in case the number of read elements of a CCD sensor and the
setting error correspond to 2048-bit and 4-bit, respectively, it will do
that 1-bit is shifted to the next line at every 2048/4=512-bit. The first Y
address shift counter 9 is constituted of a counter which is reset whenever
an X address use clock is (n)-bit, for instance, 2048-bit, has a storage
area for storing a corrected value (512 in this example) as a set value,
and outputs one pulse whenever the clock is 512- bit. This one pulse
attains to a Y address shift pulse, and it is inputted to the next second Y
address counter 10.